

WHAT IS CLAIMED IS:

6012  
1. A camera control system for selecting at least one  
of a plurality of controllable cameras connected to a  
network, and performing video display and camera control,  
5 the system comprising:

map display means;

input means for designating one point on a map  
displayed by said map display means;

camera selection means for selecting an optimal  
10 camera capable of monitoring the point designated by said  
input means; and

camera control means for controlling the camera  
selected by said camera selection means.

2. The system according to claim 1, further comprising:  
15 storage means for storing information which determines  
a camera and a camera parameter in advance for each object  
displayed on the map, and

wherein said camera selection means selects a camera  
on the basis of the information stored in said storage  
20 means.

3. The system according to claim 1, further comprising:  
storage means for storing information which  
determines a camera and a camera parameter in advance for  
each specific region on the map, and

25 wherein said camera selection means selects a camera  
on the basis of the information stored in said storage

means.

4. The system according to claim 1, wherein said camera selection means comprises determination means for determining whether a camera as a selection candidate is  
5 being controlled by another user, and selects another camera when the camera as the selection candidate is determined to be controlled by another user.

5. The system according to claim 1, wherein when a point other than a specific region on the map is designated by  
10 said input means, said camera selection means does not select any camera.

6. The system according to claim 1, wherein said camera selection means comprises calculation means for calculating distances between the point input by said input  
15 means and the plurality of cameras, and selects based on a calculation result of said calculation means the nearest camera capable of sensing an image of the designated point.

7. The system according to claim 1, further comprising:  
holding means for holding information about current  
20 image sensing ranges of the plurality of cameras; and  
determination means for determining based on the information held by said holding means whether a camera currently sensing an image of the point designated by said input means exists, and

25 wherein said selection means selects the camera which is determined by said determination means to be currently

sensing the image of the designated point.

8. The system according to claim 1, wherein

said camera selection means can select a plurality  
of cameras capable of sensing an image of one point input  
5 by said input means, and

said camera control means controls the plurality of  
cameras to the point input by said input means.

9. The system according to claim 1, further comprising:

setting means for setting a camera to be controlled  
10 and a camera parameter in accordance with the point  
designated on the map; and

storage means for storing information about the  
camera and the camera parameter that are set by said setting  
means.

15 10. A camera control method of selecting at least one of  
a plurality of controllable cameras connected to a network,  
and performing video display and camera driving, the method  
comprising:

the display step of displaying a map on a display;  
20 the designation step of designating one point on the  
map displayed in the display step;

the camera selection step of selecting an optimal  
camera capable of monitoring the point designated in the  
designation step; and

25 the driving step of driving the camera selected in  
the camera selection step.

11. The method according to claim 10, further comprising:  
the storage step of storing information which  
determines a camera and a camera parameter in advance for  
each object displayed on the map, and  
5 wherein the camera selection step comprises  
selecting a camera on the basis of the information stored  
in the storage step.
12. The method according to claim 10, further comprising:  
the storage step of storing information which  
10 determines a camera and a camera parameter in advance for  
each specific region on the map, and  
wherein the camera selection step comprises  
selecting a camera on the basis of the information stored  
in the storage step.
13. The method according to claim 10, wherein the camera  
15 selection step comprises the determination step of  
determining whether a camera as a selection candidate is  
being controlled by another user, and comprises selecting  
another camera when the camera as the selection candidate  
20 is determined to be controlled by another user.
14. The method according to claim 10, wherein the camera  
selection step comprises, when a point other than a specific  
region on the map is designated in the designation step,  
not selecting any camera.
- 25 15. The method according to claim 10, wherein the camera  
selection step comprises the calculation step of

calculating distances between one point designated in the designation step and the plurality of cameras, and comprises selecting based on a calculation result in the calculation step the nearest camera capable of sensing an  
5 image of the designated point.

16. The method according to claim 10, further comprising:  
the holding step of holding information about current image sensing ranges of the plurality of cameras; and  
the determination step of determining based on the  
10 information held in the holding step whether a camera currently sensing an image of the point designated in the designation step exists, and

wherein selection step comprises selecting the camera which is determined in the determination step to be  
15 currently sensing image of the designated point.

17. The method according to claim 10, wherein  
the camera selection step comprises selecting a plurality of cameras capable of sensing an image of the point designated in the designation step, and

20 the driving step comprises controlling the plurality of cameras to the point input in the designation step.

18. The method according to claim 10, further comprising:  
the setting step of setting a camera to be driven and a camera parameter in accordance with the point designated  
25 on the map; and

the storage step of storing information about the

camera and the camera parameter that are set in the setting step.

10. A storage medium storing a control program of selecting at least one of a plurality of controllable  
5 cameras connected to a network, and performing video display and camera driving, wherein

the control program comprises:

a code of the display step of displaying a map on a display;

10 a code of the designation step of designating one point on the map displayed in the display step;

a code of the camera selection step of selecting an optimal camera capable of monitoring the point designated in the designation step; and

15 a code of the driving step of driving the camera selected in the camera selection step.

20. The medium according to claim 19, wherein

the code of the camera selection step comprises selecting a plurality of cameras capable of sensing an image  
20 of the point designated in the designation step; and

the code of the driving step comprises controlling the plurality of cameras to the one point input in the designation step.

21. The medium according to claim 19, wherein the control  
25 program further comprises:

a code of the setting step of setting a camera to be

driven and a camera parameter in accordance with the point designated on the map; and

5 a code of the storage step of storing information about the camera and the camera parameter that are set in the setting step.

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